

WEST Search History

DATE: Thursday, June 10, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L19	l18 and sulfuric acid	43
<input type="checkbox"/>	L18	l16 and l17	47
<input type="checkbox"/>	L17	hypervalent iodine or periodate	9745
<input type="checkbox"/>	L16	l15 and (sodium or potassium or calcium or magnesium or lithium or iron)	2092
<input type="checkbox"/>	L15	l14 and chloride	2314
<input type="checkbox"/>	L14	l13 and chlorinat\$	2582
<input type="checkbox"/>	L13	\$chloroacetophenone or \$chloroanisole or \$chlorotoluene or \$chloromesitylene or \$chloroethanol	8730
<input type="checkbox"/>	L12	l11 and (dimethyl formamide or DMF or acetonitrile or chloroform or dichloromethane or dioxane)	111
<input type="checkbox"/>	L11	l10 and solvent	111
<input type="checkbox"/>	L10	l9 and pH	111
<input type="checkbox"/>	L9	l8 and extract\$	124
<input type="checkbox"/>	L8	l7 and sulfuric acid	124
<input type="checkbox"/>	L7	l6 and mineral acid	129
<input type="checkbox"/>	L6	l5 and (sodium or potassium or calcium or lithium or magnesium or iron)	296
<input type="checkbox"/>	L5	l4 and chloride	297
<input type="checkbox"/>	L4	l2 and l3	304
<input type="checkbox"/>	L3	hypervalent iodine or \$periodate	10735
<input type="checkbox"/>	L2	L1 and chlorinat\$	10096
<input type="checkbox"/>	L1	alkane or alkene or arene	61933

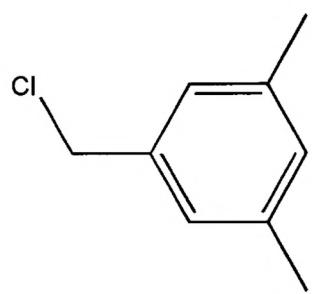
END OF SEARCH HISTORY

=> d his

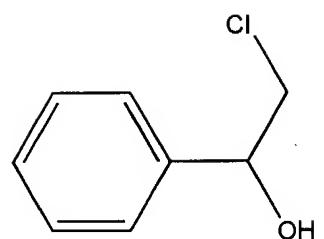
(FILE 'HOME' ENTERED AT 15:53:25 ON 10 JUN 2004)

FILE 'CAPLUS' ENTERED AT 15:53:41 ON 10 JUN 2004

L1 116142 S ?ALKANE OR ?ALKENE OR ?ARENE
L2 6483 S L1 AND (HALOGENAT? OR CHLORINAT? OR FLUORINAT? OR BROMINAT?)
L3 2672 S L2 AND (?CHLORIDE OR ?BROMIDE OR ?FLUORIDE OR ?IODIDE)
L4 634 S L3 AND (SODIUM OR POTASSIUM OR CALCIUM OR LITHIUM OR MAGNESIUM)
L5 24018 S HYPERVALENT IODINE OR ?IODATE OR ?PERIODATE
L6 7 S L4 AND L5
L7 0 S L6 AND (MINERAL ACID OR SULFURIC ACID OR H₂S04)
L8 440532 S ?ACETOPHENONE OR ?MESITYLENE OR ?STYRENE OR ?ANISOLE OR ?CHLO
L9 19692 S L8 AND (HALOGENAT? OR CHLORINAT? OR FLUORINAT? OR BROMINAT?)
L10 7261 S L9 AND (?CHLORIDE OR ?FLUORIDE OR ?BROMIDE OR ?IODIDE)
L11 1570 S L10 AND (SODIUM OR POTASSIUM OR LITHIUM OR MAGNESIUM OR CALCI
L12 24018 S HYPERVALENT IODINE OR ?IODATE OR ?PERIODATE
L13 9 S L11 AND L12



chloromesitylene



1-phenyl-2-chloroethanol

ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:829482 CAPLUS
DOCUMENT NUMBER: 140:4642
TITLE: NaIO4-Mediated Selective Oxidative
Halogeneration of Alkenes and Aromatics Using
Alkali Metal Halides
AUTHOR(S): Dewkar, Gajanan K.; Narina, Srinivasarao V.; Sudalai,
Arumugam
CORPORATE SOURCE: Chemical Engineering and Process Development Division,
National Chemical Laboratory, Pune, 411008, India
SOURCE: Organic Letters (2003), 5(23), 4501-4504
CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB NaIO4 oxidizes alkali metal halides efficiently in aqueous medium to
halogenate alkenes and aroms. and produce the corresponding halo
derivs. in excellent regio- and stereoselectivity. The system also
demonstrates the asym. version of bromo hydroxylation using
β-cyclodextrin complexes, resulting in moderate ee.
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT